Data sheet

SAIL-M12GM12G-S3-20P

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

General ordering data

Version	Power cable, Connecting line, M12 / M12, Number of poles : 3 (2 + PE), 20 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2050062000
Type	SAIL-M12GM12G-S3-20P
GTIN (EAN)	4050118622690
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E310075

Dimensions and weights

Net weight	1500 g

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

Cable length	20 m	Sheathing colour	black
Resistance to oils	Yes	PE function	Yes
Suitable for cable carriers	Yes	Core cross-section	1.5 mm²
Number of wires	3	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s²	Bending radius, min., moving	7.5 x cable diameter
Bending radius, min., stationary	4 x cable diameter	Bending cycles	10 Mio
Resistance to spread of flame	in accordance with IEC 60332-1-2, in accordance with UL 1581 VW-1 and CSA FT1	Speed	5 m/s
Sheath material	PUR	Cable length configurable	No
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Type is hybrid cable	No
Irradiation crosslinked	No	Welding spark resistance	Yes
Colour coding	brown, Green/yellow, blue	Temperature range, stationary	-50...80 °C
Resistant to welding beads	Yes	Temperature range, moving	-40...80 °C
Number of poles	3 (2 + PE)		

General technical data

Coding	S-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Contact material	CuZn
Nominal voltage	600 V	Nominal current	12 A
AF size	13 mm	Protection degree	IP65, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
Threaded ring material	Nickel-plated CuZn	Temperature range of housing	-30...+90 °C
Tightening torque	M12: 1.0 Nm		

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Electrical properties

Insulation resistance	108 Ω	Nominal voltage	600 V

General standards

Connector standard	IEC 61076-2-111	Certificate no. (cULus)	E310075

Standards

Connector standard	IEC 61076-2-111

Plug, left

Plug left	M12, S-coded, Number of poles: 3, male contact, straight, plug, unshielded

Plug, right

Plug right	M12, S-coded, Number of poles: 3, female contact, straight, plug, unshielded

Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

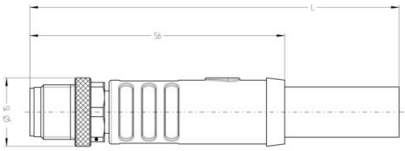
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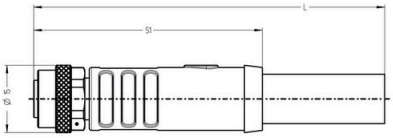
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Drawings

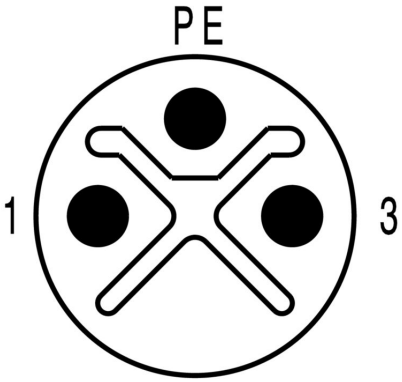
Dimensioned drawing



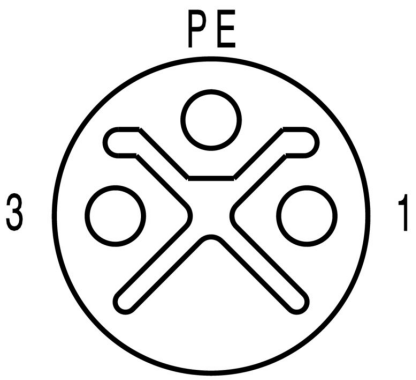
Dimensioned drawing



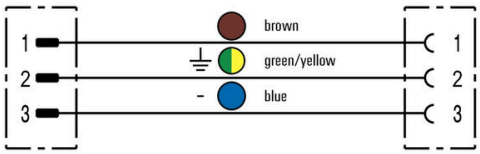
Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty ® with torque function

